

# Advanced Management

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## Program

## War Reserve Materiel

## Validation/Justification/Automa tion

### Team 6:

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**AMP**



**Tench Francis  
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Business**

# Agenda

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- ◆ Issue
- ◆ Background
- ◆ Recommendations

# Issue

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- ◆ WRM program is only funded at 11% (\$200M) of Requirements (\$1.8B)
- ◆ Better requirement validation/justification is required
  - Obsolete items
  - Redundant items
- ◆ Web-based Total Asset Visibility is required
  - Several inventories on legacy systems
  - Systems are not integrated

# War Reserve Materiel Background

- ◆ NAVSUP Pub 717, Navy War Reserve Materiel
  - Navy WRM requirements per OPNAVINST 4080.11D
  - Cookbook for Navy planners, project managers, resource sponsors and inventory managers
- ◆ Customers
  - NCF/NAVELSF/NFELC/NAVMEDLOGCOM/NAVSEA/MSC
- ◆ War Reserve materiel status via Standard War Reserve Report (SWRR)

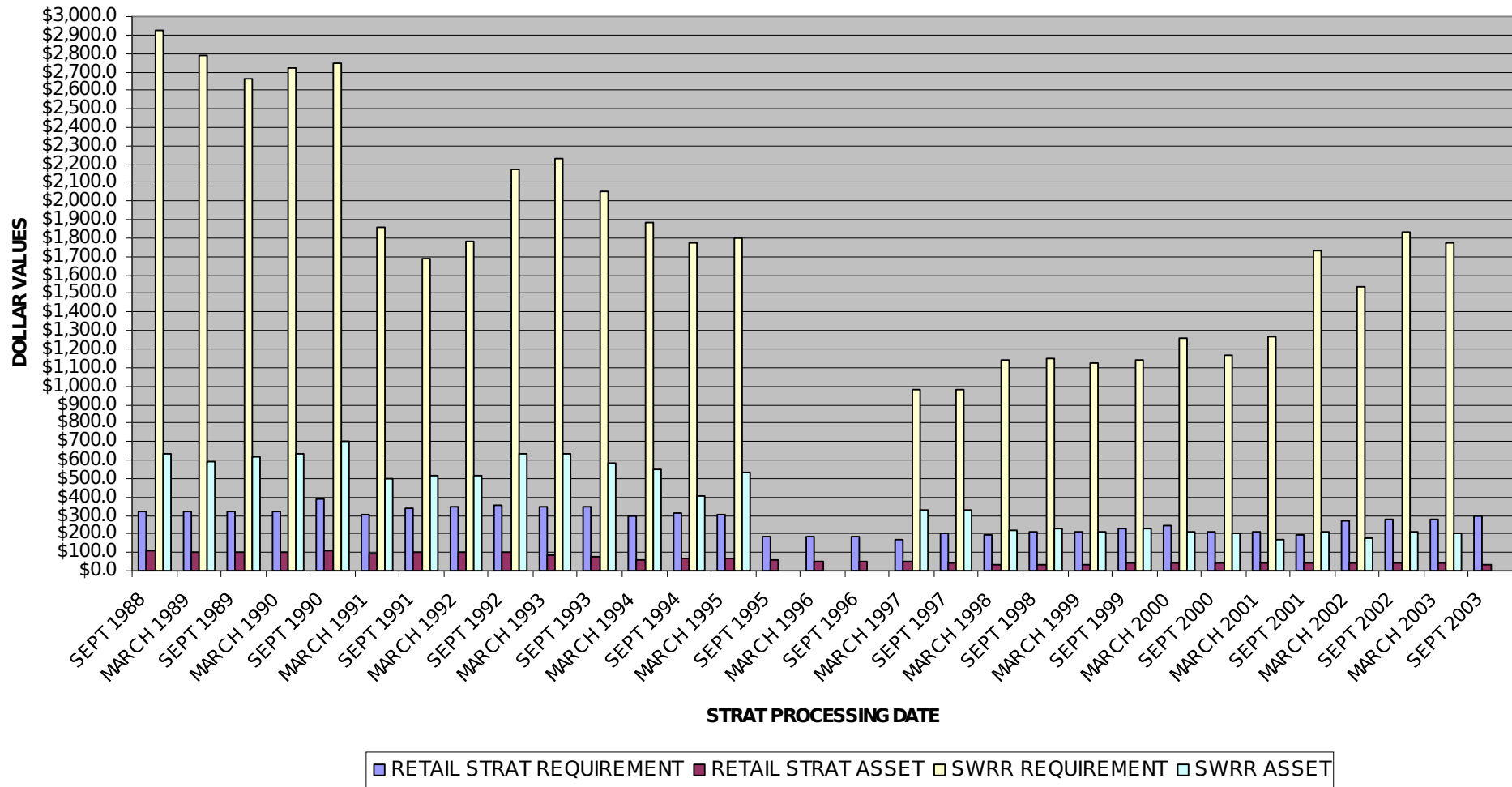
Total WRM			
Requirement Value	Asset Available Value	Approved Deferment	Deficiency Value
\$1.8B	\$0.2B	\$0.1B	\$1.5B

# WRM Background (Cont'd)

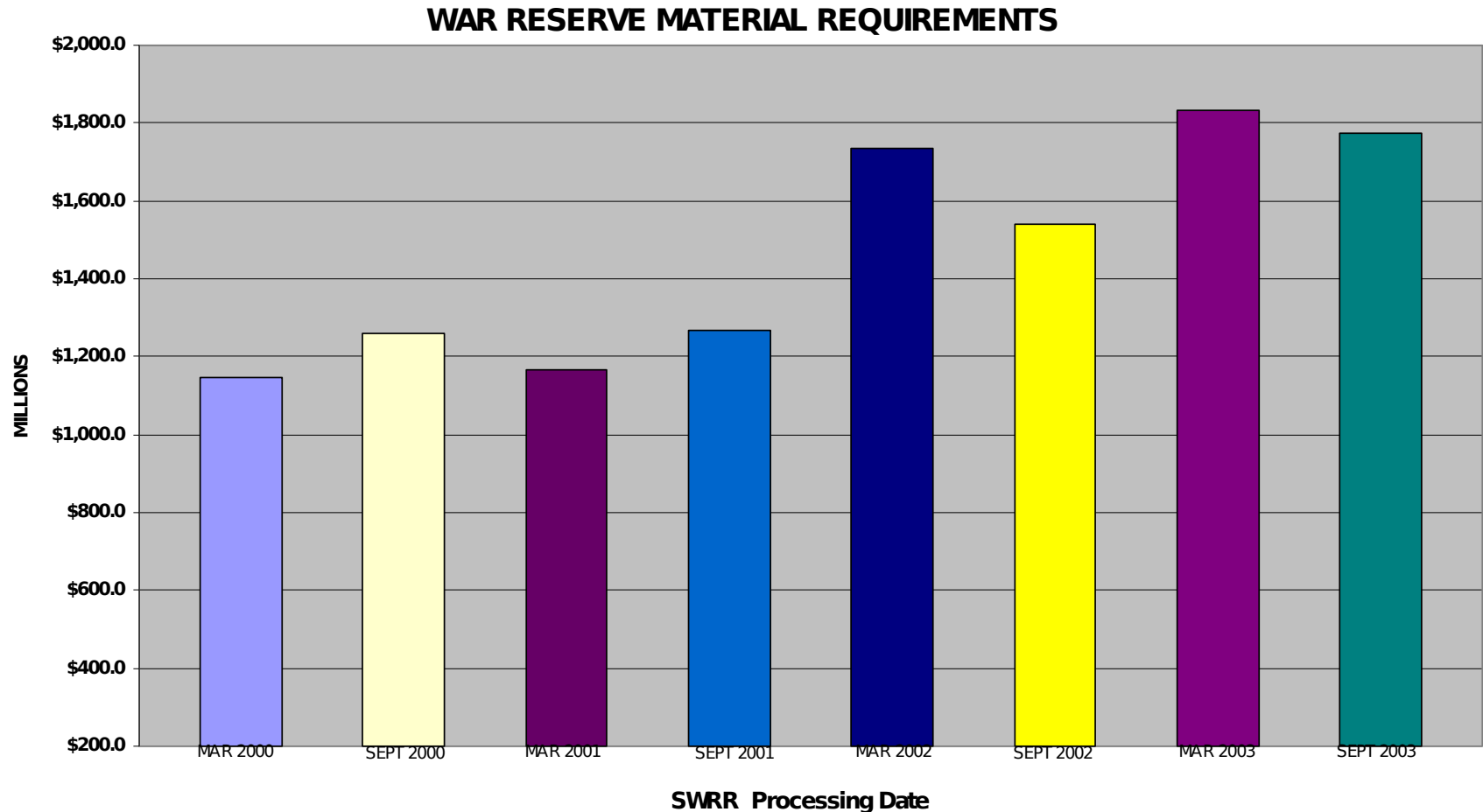
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- ◆ Approximately 78 CNO approved projects
- ◆ Projects include:
  - RNCF Regiments, NMCB'S, CBMU's
    - » MPS: 3 NMCB's on 3 Squadrons (9 Ships)
  - NAVELSF CBHU's, Supply Support Battalions
  - NAVMEDLOGCOM Fleet Hospitals
  - MSC Minesweeper

# Historical WRM Snapshot

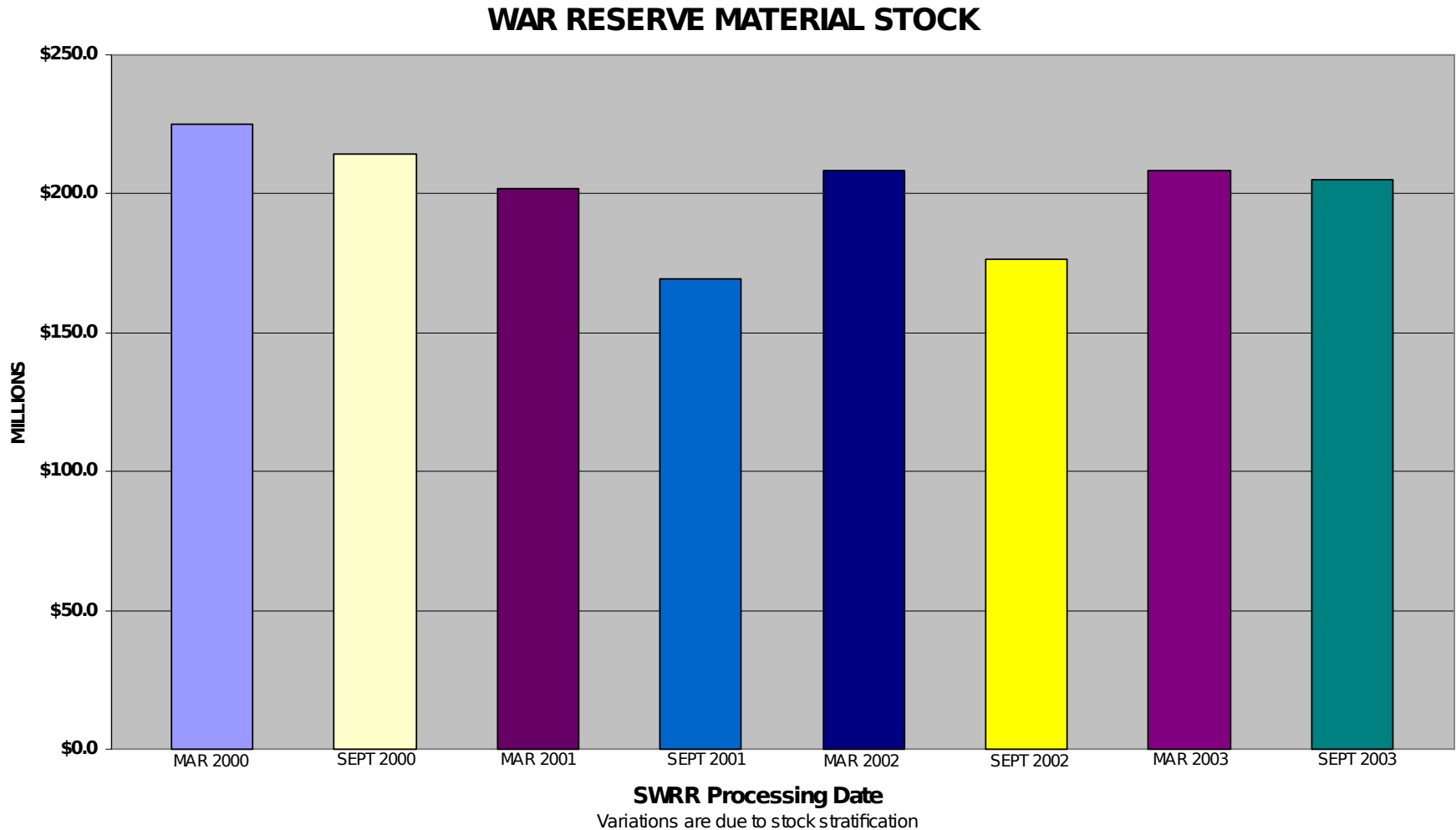


# WRM Background (Cont'd)



Fluctuations due to Project Code updates, additions and deletions from various requirement sources, CNO and NAVSUP

# WRM Background (Cont'd)





# Recommendations

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- ◆ Streamline WRM to meet DPG
  - Zero-Based Inventory Review
  - Automate Validation Process
  - Minimize WRM using Just-in-Time Delivery
  
- ◆ Implement an Web-based automated WRM inventory
  - Table of Allowance and Assessment Reporting System (TOAARS)

# TOAARS

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- ◆ Initially designed to support the development and defense of the budget requirements for the Naval Facilities Engineering Command (NAVFAC) through the Chief of Naval Operations Resource Sponsor (OPNAV)
- ◆ Focuses on identification of deficiencies for all classifications of materiel, including Prepositioned War Reserve Material (WRM) Stock and final title materiel across major appropriations, including OPN and O&M,N
- ◆ Provides community wide visibility of the TOA assets and program status at the strategic and operational level through an easily accessible, firewall-protected, web-portal

# TOAARS Background

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- ◆ Historically only about 40% (CESE and WRM) of NCF assets were visible at the headquarters level. This lack of visibility was primarily for assets held at operational units. Essentially, there was no high-level, post-provisioning inventory visibility of non-CESE assets for the operating units.
- ◆ Before TOAARS, the process of determining budget requirements consisted of a labor-intensive (3-5 manweeks) effort using both manual and automated reporting resources in a variety of formats to create voluminous, complex spreadsheets referred to as the “readiness library.” In the wake of successive reductions in force, NFELC successfully undertook an initiative to increase data accuracy, efficiency, and visibility by transforming the readiness library into a robust data warehouse application providing asset visibility via an easily accessible web-portal.

# How is it constructed?

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- ◆Evolving – Developed in a modular fashion
- ◆Four modules completed/nearly completed
  - Assessment Reporting Module
  - Readiness Analysis Module
  - Procurement Module
  - Budget Programming Module (scheduled for 31 January 2004)
- ◆Additional modules being contemplated
  - Budget Execution/Program Dollars Tracking Module
  - Configuration Data Management Database (CDMD) Interface Module
  - Drill-Down ABFC Requirements Module (to replace ABFC View)
  - SORTS Module
  - ILS Status Module
- ◆Currently used by the NCF. Amphibious community, EOD, NCWG, and other expeditionary organizations are also excited about using it.

# Backup Slides

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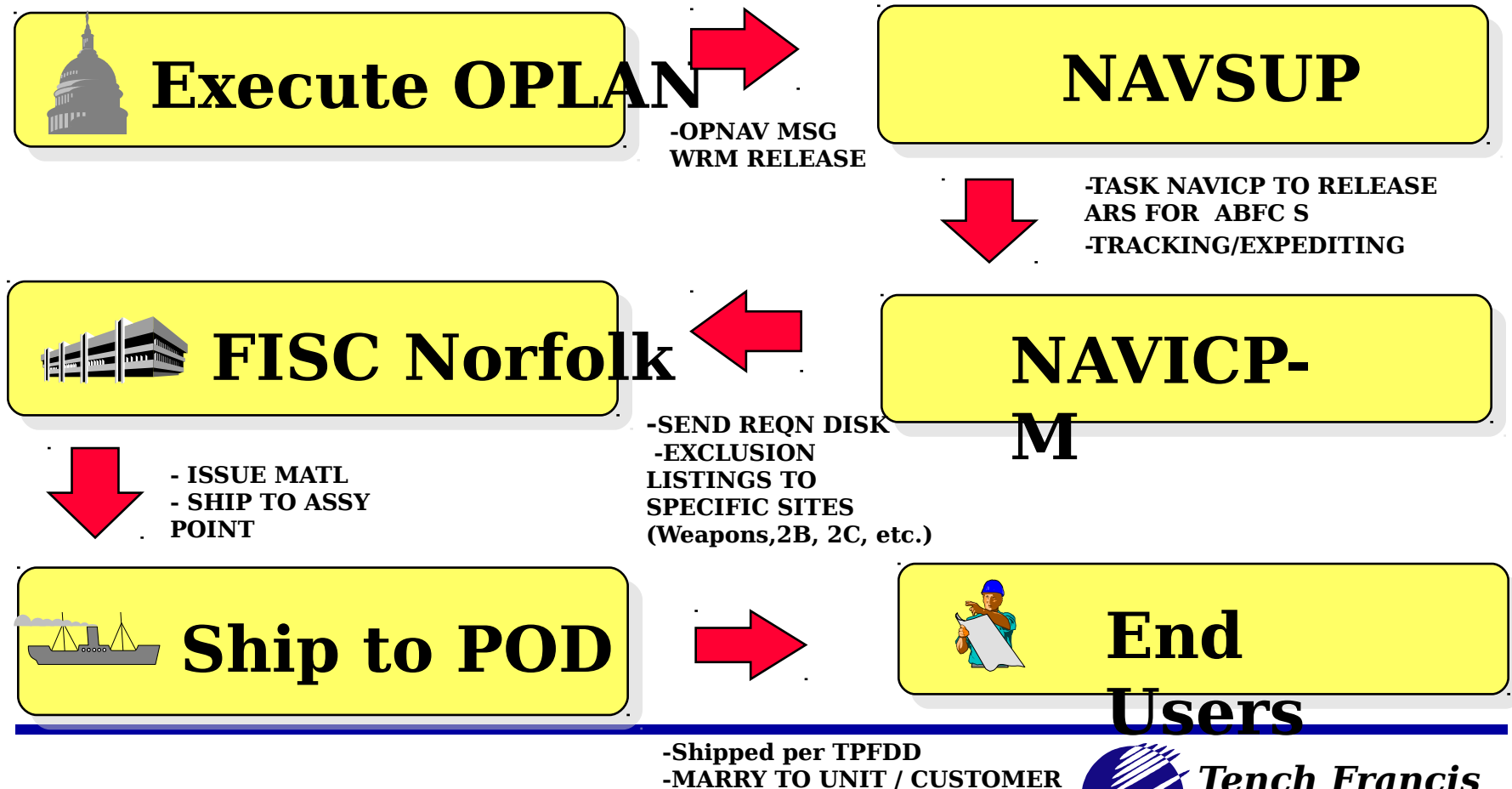
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# WRM Issue Process



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# Assessment Reporting Module

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- ◆ Provides access to the TOA structure and data (allowance and inventory) for individual units, as well as across the NCF
- ◆ Requirements and asset data gathered from two main sources:
  - NFELC MIS systems (requirements and WRM assets)
  - Inventory feeds from operational commands (final title assets)
- ◆ Stratifies community assets against requirements using specific rules of allocation
- ◆ Offers the ability to view assets via a drill-through functionality
- ◆ Allows the user to focus on a specific unit, component, facility, group, or assembly, while summarizing to any one of those levels
- ◆ Summarizations can also be grouped by specific designations such as active status, component type, commodity type, Regiment, and others

# Readiness Analysis Module

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- ◆ Allows allocation of assets against the requirements based on various external modifications, such as how assets stratify across the requirements differently with different priorities, or how changes to funding profiles and to assets impact the potential changes to the funding
- ◆ Use of multiple databases allows separate analysis of:
  - Initial outfitting status (SYSCOM responsibility)
  - Current operational materiel status (operational commander responsibility)



# Procurement Module

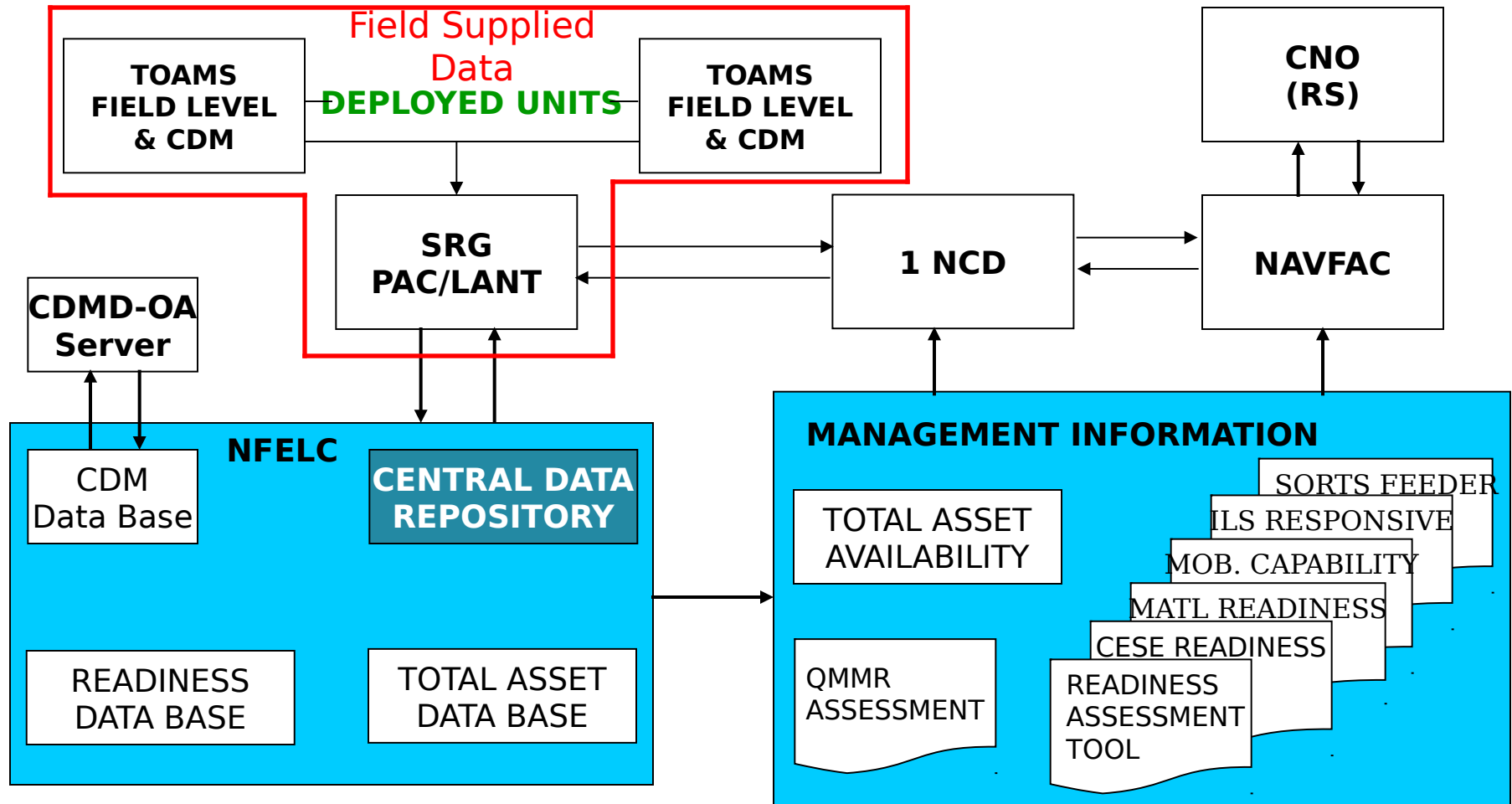
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- ♦Developed to facilitate the acquisition of material requirements
- ♦Automates a previously labor/time intensive manual process that relied on viewing huge Excel spreadsheets and countless hours of data entry
- ♦Shows actual deficiencies of material and equipment based on given priorities within budget execution categories
- ♦Value-added information is made available to, and processed electronically for verification and modification by, equipment managers and procurement analysts
- ♦Results in an electronic feed to acquisition systems in requisition format

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- ◆ Will support a consistent and disciplined methodology using the unique TOA structure for budget development and submission to OPNAV resource sponsors
  - ◆ Will support five separate OPNAV resource sponsors responsible for development, submission and defense of 16 separate program budgets
  - ◆ Will eventually stratify equipment based on individual equipment age and life expectancies, enhancing the features of the Procurement Module
  - ◆ May eventually provide streamlined visibility of actual versus planned obligations
  - ◆ May eventually feed directly to the procurement module for procurement processing

## **Backup Slides**

# LOGISTICS DATA MANAGEMENT NAVAL CONSTRUCTION FORCE (NCF)



# https://toaars.ncf.navy.mil/

(After granted access)

Naval Construction Battalion Center Table Of Allowances - Microsoft Internet Explorer provided by Navy Marine Corps Intranet

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## NFELC Table of Allowance and Assessment Reporting System (TOAARS)

Today Is 15 January 2004

We welcome you to our TOAARS website application.

Your suggestions are encouraged.  
**CLICK HERE** to contact us.

**WHAT'S NEW** With TOAARS

### Drill Down Queries

Click to Select Drill Down Query Path:

- Section>EUIC>Assembly>Nsn
- EUIC>Section>Assembly>Nsn
- EUIC>Section>Assembly>Nsn(Requirements Only)
- EUIC>Section>Fac/Grp>Assembly>Nsn
- EUIC>SubComp>Section>Fac/Grp>Assembly>Nsn
- Activity>EUIC>Section>Fac/Grp>Assembly>Nsn
- Assembly>Nsn
- Where Used

Learn how to use PowerPlay Cubes for report generation.

Use PowerPlay Cubes.  
**CLICK HERE** to continue.

### Preformatted Reports

Click to Select Report:

After selecting a report  
**CLICK HERE** to continue.

\*Based on TOA asset inventory data as of 05 JAN 2004.

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Table of Allowance and Assessment Reporting System (TOAARS)

%	Total Line Items	Total Requirement	Total Requirement Value	Total Asset Value	Total Deficient Value	Total Defrd Defct Value	Total Defct Less Defrd	Total Sub Value
34	203204		\$ 1,079,594,070	\$ 763,559,845	\$ 316,034,222	\$ 26,006,703	\$ 290,027,521	\$ 399,518,214

%	EUIC	Component	Allowance Quantity	Requirement Value	Allowance Available	Asset Value	Allowance Deficient	Deficient Value	Deferred Deficient Value	Deficient Less Deferred	Substitute Value
MPX02	P25	8827	\$43,404,192	6699	\$36,891,790	2128	\$6,512,402	\$1,158,512	\$5,353,890	\$17,060,999	
MPX12	P29	868	\$2,691,887	648	\$2,380,919	220	\$310,968	\$10,440	\$300,528	\$681,540	
MPX01	P25	8827	\$43,404,192	6852	\$36,504,415	1975	\$6,899,777	\$1,119,274	\$5,780,503	\$20,638,130	
MPX11	P29	868	\$2,691,887	576	\$2,204,572	292	\$487,314	\$12,501	\$474,813	\$689,512	
HAL02	P25	8827	\$43,404,192	5823	\$37,741,172	3004	\$5,663,020	\$1,278,299	\$4,384,721	\$19,546,849	
DAL01	P25	8827	\$43,404,192	2087	\$30,889,125	6740	\$12,515,067	\$659,842	\$11,855,225	\$20,246,960	
DAP02	P25	8827	\$43,404,192	5166	\$38,266,020	3661	\$5,138,172	\$416,495	\$4,721,676	\$17,758,522	
DAP01	P25	8827	\$43,404,192	5365	\$36,028,156	3462	\$7,376,036	\$1,334,216	\$6,041,820	\$17,583,782	
HAL03	P25	8827	\$43,404,192	4036	\$36,258,398	4791	\$7,145,794	\$1,381,488	\$5,764,306	\$18,705,022	
HAL19	P35	1362	\$9,772,146	400	\$6,477,986	962	\$3,294,160	\$146,933	\$3,147,228	\$1,207,108	
HAP19	P35	1362	\$9,772,146	569	\$6,778,915	793	\$2,993,231	\$180,294	\$2,812,938	\$831,886	
HAP01	P25	8827	\$43,404,192	7222	\$39,313,774	1605	\$4,090,418	\$686,256	\$3,404,162	\$16,817,240	
HAL01	P25	8827	\$43,404,192	3230	\$35,943,125	5597	\$7,461,067	\$1,087,569	\$6,373,498	\$20,279,656	
HAP02	P25	8827	\$43,404,192	4923	\$35,356,108	3904	\$8,048,084	\$1,343,510	\$6,704,574	\$20,845,353	
MPX03	P25	8827	\$43,404,192	5135	\$40,775,392	3692	\$2,628,800	\$347,351	\$2,281,449	\$18,492,029	
MPX13	P29	868	\$2,691,887	512	\$2,411,895	356	\$279,992	\$12,368	\$267,624	\$358,620	
MPX04	P25	8827	\$43,404,192	4891	\$36,473,119	3936	\$6,931,073	\$1,241,259	\$5,689,814	\$17,389,089	
MPX14	P29	868	\$2,691,887	422	\$1,505,451	446	\$1,186,436	\$12,861	\$1,173,575	\$521,742	
WRP01	P25	8827	\$43,404,192	4353	\$31,298,728	4474	\$12,105,463	\$1,370,574	\$10,734,889	\$18,800,930	
WRP17	P31	5886	\$57,556,994	4684	\$41,891,248	1202	\$15,665,746	\$1,744,844	\$13,920,903	\$23,865,078	
WRL21	P05	3289	\$12,060,755	1945	\$8,089,458	1344	\$3,971,296	\$193,770	\$3,777,526	\$4,150,416	
WRL17	P31	5886	\$57,556,994	1570	\$31,065,943	4316	\$26,491,051	\$1,846,673	\$24,644,379	\$14,611,683	
WRP21	P05	3289	\$12,060,755	1130	\$4,456,560	2159	\$7,604,195	\$210,073	\$7,394,122	\$2,030,125	
WRP02	P25	8827	\$43,404,192	1247	\$24,027,897	7580	\$19,376,295	\$1,513,816	\$17,862,479	\$16,775,940	
WRL01	P25	8827	\$43,404,192	1634	\$25,806,912	7193	\$17,597,280	\$1,497,683	\$16,099,596	\$17,976,207	
WRP03	P25	8827	\$43,404,192	1193	\$17,053,189	7634	\$26,351,003	\$1,522,185	\$24,828,818	\$10,182,481	
WRL02	P25	8827	\$43,404,192	1207	\$17,395,282	7620	\$26,008,910	\$1,514,030	\$24,494,881	\$11,086,931	
WRL03	P25	8827	\$43,404,192	5218	\$27,865,770	3609	\$15,538,422	\$266,569	\$15,271,853	\$12,722,407	

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%	Total Line Items	Total Requirement	Total Requirement Value	Total Asset Value	Total Deficient Value	Total Defrd Defct Value	Total Defct Less Defrd	Total Sub Value
	24	8827	\$ 43,404,191	\$ 36,891,790	\$ 6,512,402	\$ 1,158,513	\$ 5,353,890	\$ 17,061,000

%	Section	Description	Allowance Quantity	Requirement Value	Allowance Available	Asset Value	Allowance Deficient	Deficient Value	Deferred Deficient Value	Deficient Less Deferred	Substitute Value
	1	FACILITIES (CAMP SUPPORT)	184	\$3,286,641	121	\$3,006,871	63	\$279,770	\$1,972	\$277,798	\$142,647
	3	FACILITY COLLATERAL EQUIP	155	\$460,059	134	\$423,725	21	\$36,334	\$2,576	\$33,757	\$31,889
	4	CESE	271	\$26,668,596	221	\$22,562,941	50	\$4,105,655	\$0	\$4,105,655	\$16,188,393
	5	CESE REPAIR PARTS	11	\$875,536	0	\$0	11	\$875,536	\$875,536	\$0	\$0
	6	ISO CONTAINERS	188	\$1,584,514	185	\$1,562,842	3	\$21,672	\$0	\$21,672	\$0
	7	COLL ISO CONTAINERS	62	\$294,432	62	\$294,432	0	\$0	\$0	\$0	\$0
	8	CENTRAL TOOLROOM (CTR)	367	\$1,881,199	305	\$1,850,728	62	\$30,471	\$8,747	\$21,724	\$106,877
	9	MOUNTOUT/EMBARKATION	9	\$24,081	9	\$24,081	0	\$0	\$0	\$0	\$0
	10	PHOTO EQUIP	1	\$889	1	\$889	0	\$0	\$0	\$0	\$0
	11	COMPUTER/ADP EQUIP	94	\$347,157	92	\$345,732	2	\$1,425	\$0	\$1,425	\$0
	12	ADMIN OSI (INCLUDES CHAPLAINS SUPPORT)	21	\$56,118	15	\$56,095	6	\$24	\$24	\$0	\$5,602
	13	NIGHT VISION DEVICES (NVDs)	72	\$680,695	72	\$680,695	0	\$0	\$0	\$0	\$2,064
	14	WEAPONS	1737	\$1,182,660	1438	\$827,950	299	\$354,710	\$1,925	\$352,785	\$61,441
	15	COMM EQUIP	532	\$2,537,531	503	\$2,510,123	29	\$27,408	\$0	\$27,408	\$13,158
	16	CBR-D	100	\$1,716,661	60	\$1,182,205	40	\$534,456	\$40,776	\$493,681	\$16,968
	17	MEDICAL	925	\$268,772	901	\$193,475	24	\$75,296	\$60,949	\$14,348	\$1,522
	18	DENTAL	1	\$79,392	0	\$76,589	1	\$2,803	\$1,516	\$1,287	\$46,511
	19	INFANTRY EQUIP	2434	\$1,091,704	2434	\$1,091,704	0	\$0	\$0	\$0	\$403,064
	20	ORGANIZATIONAL CLOTHING	1	\$33,281	1	\$33,281	0	\$0	\$0	\$0	\$32,169
	23	EXTINGUISHERS	70	\$55,205	70	\$55,205	0	\$0	\$0	\$0	\$0
	24	CENTRAL STOREROOM (CSR)	10	\$25,179	4	\$24,228	6	\$951	\$951	\$0	\$4,198
	26	PUBLICATIONS	4	\$520	0	\$0	4	\$520	\$520	\$0	\$0
	27	SUBSISTENCE	1510	\$156,553	23	\$15,730	1487	\$140,823	\$140,823	\$0	\$0
	28	POL	68	\$96,816	48	\$72,269	20	\$24,548	\$22,198	\$2,350	\$4,497

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%	Total Line Items	Total Requirement	Total Requirement Value	Total Asset Value	Total Deficient Value	Total Defrd Defct Value	Total Defct Less Defrd	Total Sub Value
	30	184	\$ 3,286,638	\$ 3,006,869	\$ 279,771	\$ 1,973	\$ 277,798	\$ 142,646

%	Fac Grp	Description	Fac Grp Req	Requirement Value	Fac Grp Available	Asset Value	Fac Grp Deficient	Deficient Value	Deferred Deficient Value	Deficient Less Deferred	Subst Value
	12310T	POL STORAGE-DISPENSING FACIL 20000 GAL	2	\$150,834	2	\$150,834	0	\$0	\$0	\$0	\$8,1
	21820C	CONSTRUCTION MAINTENANCE SHOP 42X50 FT TFS	1	\$48,621	0	\$48,616	1	\$6	\$6	\$0	\$6,1
	21910K	CONSTRUCTION MAINTENANCE 28X38 FT TFS	6	\$192,547	0	\$149,842	6	\$42,705	\$33	\$42,672	\$42,6
	81230Z	ELEC DISTR SPLICING ENCLOSURE MEDIUM	3	\$9,010	0	\$7,626	3	\$1,383	\$1,383	\$0	
	84110S	WATER TREATMENT UNIT 1500 GPH	3	\$136,406	3	\$136,406	0	\$0	\$0	\$0	
	84140G	WATER STORAGE PORT 10000 GAL	3	\$77,280	1	\$77,242	2	\$38	\$38	\$0	
	87210R	SECURITY ANCHORING FOR TENTS	3	\$536	3	\$536	0	\$0	\$0	\$0	
	87210Z	SECURITY FENCE BARRIER CONCERTINA 2000 FT	10	\$71,616	10	\$71,616	0	\$0	\$0	\$0	
	21910MG	P/W MAINT SHOP (2) 18X36 MGPTS GRN	3	\$40,186	3	\$40,186	0	\$0	\$0	\$0	\$1,1
	44110MG	STORAGE/SUPPLY (1) 18X36FT MGPTS GRN	12	\$124,000	12	\$124,000	0	\$0	\$0	\$0	\$4,1
	53010MG	MEDICAL/FIRST AID 2-18X36FT MGPTS GRNW/5KW GEN	1	\$43,581	0	\$33,828	1	\$9,753	\$4	\$9,749	
	61010MG	ADMIN OFFICE (18X36 MGPTS GRN)	7	\$93,768	7	\$93,768	0	\$0	\$0	\$0	\$2,1
	72210MG	GALLEY TRAILER W/FOOD PREP TENT 18X36FT MGPTS GRN	1	\$102,975	1	\$102,975	0	\$0	\$0	\$0	
	72211MG	GALLEY MESS FIELD 125 PERSONS CORE MODULE	3	\$121,748	0	\$103,781	3	\$17,967	\$0	\$17,967	\$2,1
	72214MG	SANITATION CENTER W/18X36FT MGPTS TENT	1	\$53,974	0	\$53,952	1	\$22	\$22	\$0	
	72216MG	MESS HALL 250 MAN (2) 18X36FT MGPTS TYPE-3 TENTS	1	\$23,047	1	\$23,047	0	\$0	\$0	\$0	
	72320JA	HEAD 4-HOLE BURN OUT W/LATRINE	12	\$28,306	0	\$28,049	12	\$257	\$257	\$0	\$1,4
	72361MG	SHOWER UNIT 12 HEAD MGPTS-M W/INCAN LIGHTS	6	\$279,959	2	\$279,917	4	\$42	\$42	\$0	\$2,1
	72510MG	TROOP HOUSING TENT MGPTS 18X36FT GRN	52	\$571,357	52	\$571,357	0	\$0	\$0	\$0	\$17,1
	72511MG	AIR DET TENT CAMP FACILITY 18X36FT MGPTS GRN	3	\$370,644	0	\$370,514	3	\$130	\$130	\$0	\$10,1
	73040MG	LAUNDRY CONT ISU (EC549801) W/18X36FT MGPTS GRN	3	\$155,311	0	\$55,019	3	\$100,293	\$13	\$100,280	\$1,1
	81230DP	DISTRIBUTION CENTER 30KVA (480-208Y/120V)	3	\$35,018	3	\$35,018	0	\$0	\$0	\$0	
	81230PE	ELECT DIST LINE 1000 FT #6 AWG EXPEDITIONARY	3	\$2,751	0	\$2,734	3	\$17	\$17	\$0	

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100%	7	48	\$ 279,959	\$ 279,917	\$ 42	\$ 42	\$0	\$ 2,272

%	Assembly	Description	Assembly Req	Requirement Value	Assembly Available	Asset Value	Assembly Deficient	Deficient Value	Deferred Deficient Value	Deficient Less Deferred	Substitute Value
100%	10062	TENT MODULAR GEN PURP SYST,GRN-TYPE3, 18FT X 36FT	6	\$57,000	6	\$57,000	0	\$0	\$0	\$0	\$0
100%	22000	TANK PILLOW 3000 GAL POT WATER	6	\$34,354	2	\$34,329	4	\$25	\$25	\$0	\$0
100%	25001	HEATER SPACE 45000 BTU/HR F/TENTS	6	\$3,926	6	\$3,926	0	\$0	\$0	\$0	\$0
100%	27105	LEACH LINE 40FT F/LEACHING FIELD (SHORT)	12	\$1,402	8	\$1,385	4	\$17	\$17	\$0	\$0
100%	29912	SHOWER BATH UNIT 12 HEAD	6	\$169,599	6	\$169,599	0	\$0	\$0	\$0	\$244
100%	30207	INTERUPTER GROUND FAULT (SGFI-3PN BRANCH POWER)	6	\$8,678	6	\$8,678	0	\$0	\$0	\$0	\$0
100%	30210	TENT RECEPTACLES-LIGHTING ASSY W/8-100W	6	\$5,000	6	\$5,000	0	\$0	\$0	\$0	\$2,028

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**NCBCPH** Table of Allowance and Assessment Reporting System (TOAARS)

%	Total Line Items	Total Requirement	Total Requirement Value	Total Asset Value	Total Deficient Value	Total Defrd Defct Value	Total Defct Less Defrd	Total Sub Value
	8	168	\$1,401.96	\$1,385.24	\$16.72	\$16.72	\$0	\$0

%	NSN	Description	COG	Price	UI	Total NSN Req	Requirement Value	NSN Per Assembly	Cost Per Assembly	NSN Available	Asset Value	NSN Deficient	Deficient Value	Defer Code	Deferred Deficient Value	Deficient Less Deferred	Substitute Value
	4710004765876	PLASTIC PIPE	9C	\$51.20	LG	12	\$614.40	1	\$51.20	12	\$614.40	0	\$0.00		\$0.00	\$0.00	\$0.00
	4710LLCC1583	DRAIN PIPE	0N	\$4.10	LG	48	\$196.80	4	\$16.40	48	\$196.80	0	\$0.00		\$0.00	\$0.00	\$0.00
	4730004725066	COUPLING PIPE	9C	\$2.17	EA	24	\$52.08	2	\$4.34	24	\$52.08	0	\$0.00		\$0.00	\$0.00	\$0.00
	4730004725070	PLUG PIPE	9C	\$1.90	EA	12	\$22.80	1	\$1.90	12	\$22.80	0	\$0.00		\$0.00	\$0.00	\$0.00
	4730004758593	COUPLING PIPE	9C	\$4.77	EA	12	\$57.24	1	\$4.77	12	\$57.24	0	\$0.00		\$0.00	\$0.00	\$0.00
	4730004758803	ELBOW	9C	\$8.90	EA	12	\$106.80	1	\$8.90	12	\$106.80	0	\$0.00		\$0.00	\$0.00	\$0.00
	4730011702442	ADAPTER PP	9C	\$8.38	EA	36	\$301.68	3	\$25.14	36	\$301.68	0	\$0.00		\$0.00	\$0.00	\$0.00
	8040005731502	SOLVENT CEMEN	9Q	\$4.18	PT	12	\$50.16	1	\$4.18	8	\$33.44	4	\$16.72	AH	\$16.72	\$0.00	\$0.00

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